

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 10-24-97 are:

A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Black ink. Color. — Color drawings are not acceptable until petition is granted. Fig(s) _____	— Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
— Pencil and non black ink not permitted. Fig(s) _____	9. SCALE. 37 CFR 1.84(k)
2. PHOTOGRAPHS. 37 CFR 1.84(h)	— Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
— 1 full-tone set is required. Fig(s) _____	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i)
— Photographs may not be mounted. 37 CFR 1.84(e) — Poor quality (half-tone). Fig(s) <u>1-46-12-40-41-47-20-30</u>	— Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>5-12-15-20</u>
3. TYPE OF PAPER. 37 CFR 1.84(e)	11. SHADING. 37 CFR 1.84(m)
— Paper not flexible, strong, white, and durable. Fig(s) _____	— Solid black areas pale. Fig(s) _____
— Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____	— Solid black shading not permitted. Fig(s) _____
— Mylar, vellum paper is not acceptable (too thin). Fig(s) _____	— Shade lines, pale, rough and blurred. Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: — 21.0 cm by 29.7 cm (DIN size A4) — 21.6 cm by 27.9 cm (8 1/2 x 11 inches) — All drawing sheets not the same size. Sheet(s) _____ — Drawings sheets not an acceptable size. Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) <u>3-14, 16-24, 26-32, 34, 44</u> — Top (T) <u>16</u> Left (L) <u>26</u> — Right (R) <u>32</u> Bottom (B) <u>34</u>	— Numbers and reference characters not plain and legible. Fig(s) <u>1-20, 24, 26-30-38, 40-44</u> — Figure legends are poor. Fig(s) <u>2-3</u> — Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
6. VIEWS. 37 CFR 1.84(h)	— English alphabet not used. 37 CFR 1.84(p)(2) Figs _____
REMINDER: Specification may require revision to correspond to drawing changes.	— Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____
Partial views. 37 CFR 1.84(h)(2)	13. LEAD LINES. 37 CFR 1.84(q)
— Brackets needed to show figure as one entity. Fig(s) _____	— Lead lines cross each other. Fig(s) _____
— Views not labeled separately or properly. Fig(s) _____	— Lead lines missing. Fig(s) _____
— Enlarged view not labeled separately or properly. Fig(s) _____	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)	— Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
— Hatchling not indicated for sectional portions of an object. Fig(s) _____	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
— Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	— Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
COMMENTS	

REVIEWER J. Chase DATE 1-30-02 TELEPHONE NO. 703-205-5400

ATTACHMENT TO PAPER NO. \_\_\_\_\_

## REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig 1A, Fig. 1B, Fig.1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

## INFORMATION ON HOW TO EFFECT DRAWING CHANGES

### 1. Correction of Drawings - 37 CFR 1.85

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

### 2. Timing for Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37).

Failure to take corrective action within set period will result in **ABANDONMENT** of the Application.

### 3. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than defects noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.